

CLAIMS

[Claim 1] In the drive approach of an injection molding machine equipped with the electric mechanical component which carries out the advance drive of the movable object with an electric actuator, and the oil pressure mechanical component which carries out the advance drive of said good dynamic body with an actuator While computing the assist pressure force of a predetermined ratio over the load pressure concerned by carrying out the advance drive of said good dynamic body by controlling said electric mechanical component, and detecting the load pressure at the time of the advance drive concerned The drive approach of the injection molding machine characterized by pressurizing said good dynamic body according to the assist pressure force concerned by controlling said oil pressure mechanical component.

[Claim 2] Said good dynamic body is the drive approach of the injection molding machine according to claim 1 characterized by being a screw.

[Claim 3] Said predetermined ratio is the drive approach of the injection molding machine according to claim 1 characterized by making it differ for every regulatory region.

[Claim 4] Said predetermined ratio of the acceleration section in a speed-control field or the moderation section is the drive approach of the injection molding machine according to claim 3 characterized by setting it as 80-100 [%].

[Claim 5] Said predetermined ratio of the constant-speed section in a speed-control field is the drive approach of the injection molding machine according to claim 3 characterized by setting it as 50-80 [%].

[Claim 6] Said predetermined ratio of pressure regulatory region is the drive approach of the injection molding machine according to claim 3 characterized by setting it as 60-70 [%].

[Claim 7] In the driving gear of an injection molding machine equipped with the electric mechanical component which carries out the advance drive of the movable object with an electric actuator, and the oil pressure mechanical component which carries out the advance drive of said good dynamic body with an actuator When the advance drive of said good dynamic body is carried out by controlling said electric mechanical component, while computing the assist pressure force of a predetermined ratio over the load pressure concerned by detecting a load pressure The driving gear of the injection molding machine characterized by having the control function section which pressurizes said good dynamic body according to the assist pressure force concerned by controlling said oil pressure mechanical component.

[Claim 8] Said good dynamic body is the driving gear of the injection molding machine according to claim 7 characterized by being a screw.

[Claim 9] Said electric actuator is the driving gear of the injection molding machine according to claim 7 characterized by being a servo motor.

[Claim 10] Said actuator is the driving gear of the injection molding machine according to claim 7 characterized by being a both rods type oil hydraulic cylinder.